Commonwealth of Kentucky

Natural Resources and Environmental Protection Cabinet Department for Environmental Protection

> **Division for Air Quality** 803 Schenkel Lane Frankfort, Kentucky 40601 (502) 573-3382

AIR QUALITY PERMIT

Permittee Name: Gallatin Steel Company

Mailing Address: RR #1, Box 320, Ghent, KY 41045

> is authorized to operate a steel mill and to constra second melt shop with associated equipment and a caster tunnel furnace.

Source Name: Gallatin Steel Company

RR#1, Box 320, Ghent **Mailing Address:**

Source Location: U.S. Highway 42 Wg , Warsaw,

ble **Permit Type:** Federally-Enforce

Review Type: PSD, Title V

Permit Number: V-99-003

Log Number: F690

Appli

Qate: 21-07 AF\$

312 SIC Code:

NATI

unty:

Issuance Date: Expiration Date:

John E. Hornback, Director

Division for Air Quality

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SECTION A -- PERMIT AUTHORIZATION

Pursuant to a duly submitted application which was determined to be complete, the Kentucky Division for Air Quality hereby authorizes the construction and operation of the equipment of cribed herein in accordance with the terms and conditions of this permit. This permit has been is the provisions of Kentucky Revised Statutes Chapter 224 and regulations provulgated provided the provisions of Kentucky Revised Statutes Chapter 224 and regulations provulgated provided the provisions of Kentucky Revised Statutes Chapter 224 and regulations provulgated provided the provisions of Kentucky Revised Statutes Chapter 224 and regulations provided the provisions of Kentucky Revised Statutes Chapter 224 and regulations provided the provisions of Kentucky Revised Statutes Chapter 224 and regulations provided the provisions of Kentucky Revised Statutes Chapter 224 and regulations provided the provisions of Kentucky Revised Statutes Chapter 224 and regulations provided the provisions of Kentucky Revised Statutes Chapter 224 and regulations provided the provisions of Kentucky Revised Statutes Chapter 224 and regulations provided the provisions of Kentucky Revised Statutes Chapter 224 and regulations provided the provisions of Kentucky Revised Statutes Chapter 224 and regulations provided the provisions of the provisions of Kentucky Revised Statutes Chapter 224 and regulations provided the provisions of the prov

The permittee shall not construct, reconstruct, or modify any affined facilities with a having submitted a complete application and receiving a permit for the permitting authority, except as provided in this permit or in the Regulat 401 KAR 1.035, Permits.

Issuance of this permit does not relieve the permittee from the last of obtaining any other permits, licenses, or approvals required by this Cabinet or any of agency.

Prior to commencing construction on 02(E2), the permittee is responsible trating that all BACT requirements for all emission units in the new metals have not changed, the BACT requirements in F-96-009(Revision 1). If any BACT requirements are changed, whittee shall meet all new BACT requirements. Additionly, if the modeled ambient impacts in F-96-009(Revision 1), the amittee slave sible for performing additional appropriate modeling analyses.



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SECTION B -- EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

01 (E1)

Description:

Existing melt shop, consisting of the following:

Twin-Shell DC EAF & continuous caster
Ladle and tundish bricking, deskulling, and brick tear-out
Shell bricking and brick tear-out
Two LMF=s

One tundish dryer, 1.5 MMBtu/hr One ladle dryer, 14 MMBtu/hr

One ladle dryer afterburner, 3 MMBtu/hr

Three ladle preheaters, 14 MMBtu/hr, each

Two tundish preheaters, 10 MMBtu/hr, each

Two tundish casting nozzle preheaters, 5 MMBtu/hr, each

Two stirring stations

Dump pit for handling use refractory materials

Control Equipment: positive pressure fabric filte baghouse

Construction commenced: April, 1993

APPLICABLE REGULATIONS:

- A. 401 KAR 51:017, Prevent in a significant quality.
- B. 401 2 59:575, Star performance plants: electric arc furnaces and archive decarbo els constructions are August 17, 1983 (40 CFR Part 60, 50).
- C. 401 A New proc

1. **Operating**

- a. The follows raise usage rates (including the replacement of the heel) shall to be exceeded: Scra 270 tons/heat, Lime: 12 tons/heat, and Carbon/substitutes: tons/heat. (Limit on
- b. Scrap substitutes shall be limited to the following general categories: pig iron, direct reduced iron, iron of oide and briquetted iron. (Limit on PTE). The following materials generated on-site of the graph be added to the EAF: dropout chamber contents; spark

ing Limitation continued:

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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

arrestor dust; roll grinding swarf; baghouse bags; personal protective equipment from baghouse and ductwork maintenance; and baghouse dust.

- c. The permittee shall primarily use high grade, low residual, preprocessed scrap. (BACT).
- d. The permittee shall not add into the EAF any charged on or any of substitutes with a sulfur content greater than 0.65. (BACT).
- e. The permittee shall properly maintain and operate the way ourners (located within the EAF shell) in accordance with manufacturer=s guide side-wall burners may be removed and/or replaced if the permittee demonstrates to the compliance with the BACT limitations listed herein can be a CT).
- f. Steel production rate shall not exceed 200 tons per hour (combine averaged over 24 hours) from the twin shell EAF. Simultants are operation is prohibited. (Limit on PTE).
- g. The permittee is only authorized to operate the source of that were in use when compliance was demonstrated.
- h. The permittee shall use necessary and reason are precautions to control particulate emissions from the handling of the permittee shall use necessary and reason are precautions to control particulate.

Emission Limitations:

- a. The permittee shows y with the results of 40 CFR 60.272a, Standard for Parameter, under the singent requires a relisted herein. As provided in 40 the visible as determined by USEPA=s Method 9 shall meet the following the singent requires a relisted herein.
 - a. pacity exiting the meltshop=s baghouses;
 - opacity from the dust handling system; and
 - percent opacity from the meltshop due solely to the operations of the

I ssion Limitations Contoued

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SECTION B EMISSION POINTS, AFFECIED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

b. The visible emissions as determined by USEPA=s Method 9 from operation of all other emission units in the melt shop not subject to 40 CFR 60.272a shall be less than 20 percent. (401 KAR 59:010).

- c. The total particulate emission rate shall not exceed 16.05 lb (BAC7)
- d. The particulate grain loading as measured at the cont device exit A Reference Method 5D, 40 CFR 60, Appendix A, shall not exceed 0.0018 min/dscf. (ACT).
- e. The total carbon monoxide emission rates shall not ex of liquid steel. (BACT).

The permittee shall provide reasonable assurance of continuous companies the total carbon monoxide emission rates by operating the EAF such that the CO at the applicable averaging period, is less than or equal to 400 m (hr, as given a formula:

$$lb(CO)/hr = (C) \times (SCFM) \times (4.364 \times 10^{-6} (lb)) / FM/ppm$$

WHERE: C = hourly average CE concentrated over 24 pm

SCFM = exhaust rate at extended and conditions, determined from testing

The permittee shall provide reason of liquid steel produced limits on carbo continuing of appliance with the 2 lbs/ton on carbo continuing of appliance with the 2 lbs/ton on carbo continuing of appliance with the 2 lbs/ton on carbo continuing of appliance with the 2 lbs/ton of liquid steel produced limits on carbo continuing of appliance with the 2 lbs/ton on carbo continuing of appliance with the 2 lbs/ton of liquid steel produced limits on carbo continuing of appliance with the 2 lbs/ton of liquid steel produced limits on carbo continuing of appliance with the 2 lbs/ton of appliance with the 2 lbs/ton on carbo continuing of applianc

steel = (A)

WHA be 24 hour production day ured during the 24 hour production day

The exhaustion stermined by the testing methodology delineated under Section 3.e. 100.

Athe CEM data (see our block averages) recorded in a calendar quarter show excursions from the holy dission limit that occur in the aggregate for more than 5% of the total number of 24 holy sets generated during the quarter, the permittee shall contact the

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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Limitations Continued:

Division within thirty (30) days of aggregation of said excursions to schedule a performance test to demonstrate compliance with the carbon monoxide emission rate. The performance test within ninety (90) days from the date in required the Division. The Division may waive this testing requirement up to demonstration cause of the excursions has been corrected. If the permittee demonstrate to the Division concurs, that CO emissions for two consecutive years are shown to be less that or equal to 75% of the standard specified herein based upon Contact the permittee may discontinue collection of the hourly CEM concentration of

f. The total nitrogen oxides emission rates, expressed as NO₂ and 0.51 lb/ton of liquid steel. (BACT).

The permittee shall provide reasonable assurance of compliance with the term oxide emission rate by operating the EAF such that the NO_x concernion, expressed the applicable averaging period, is less than or expressed by the following formula:

 $lb(NO_x)/hr = (N) \times (SCFM) \times (7.17 \times 10^{-6} (1 - SCFM/pp) - hr)$

WHERE: N = hourly average C / 1 concent from over 24 burs, ppm SCFM = exhaust rate and dard considered and from testing

The permittee shall provide real table assuration of continuing compliance with the 0.51 lb/ton of liquid steel produced ditation on emissions as indicated by the following formula:

el = (AN)

WHERE (b(NO_x)/h) the 24 hour production day steel poured during the 24 hour production day

The chaust rate is mined using the testing methodology delineated under Section 3. A below.

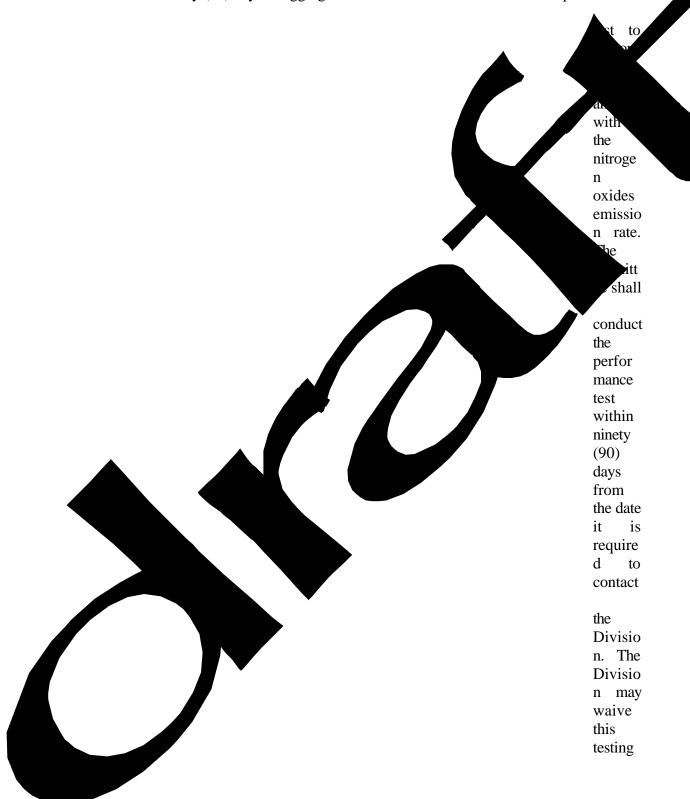
If the CEM data (set of hour block averages) recorded in a calendar quarter show excursions from the horly emission limit that occur in the aggregate for more than 5% of the total number of 24 horr sets generated during the quarter, the permittee shall contact the

on Limitations Intinued:

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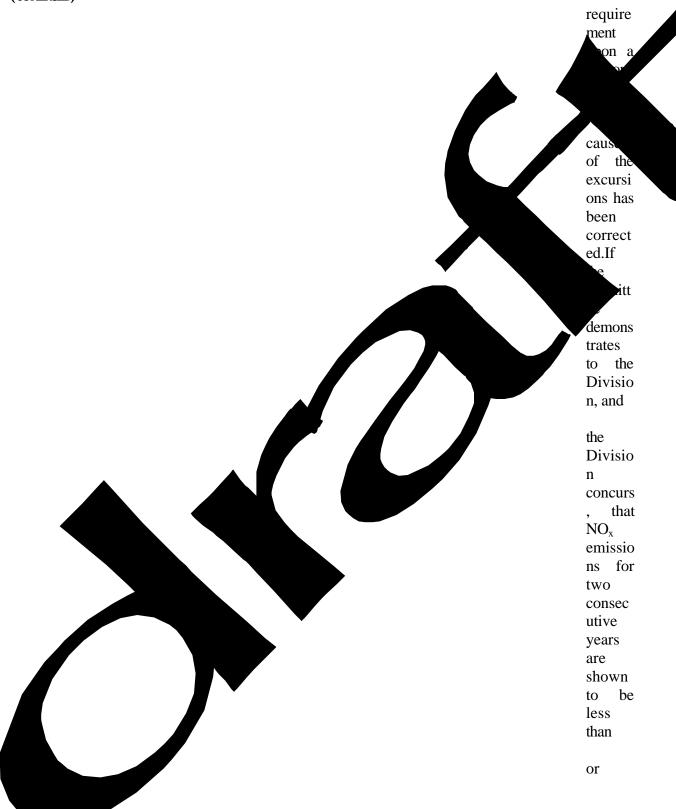
SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Division within thirty (30) days of aggregation of said excursions to schedule a performance



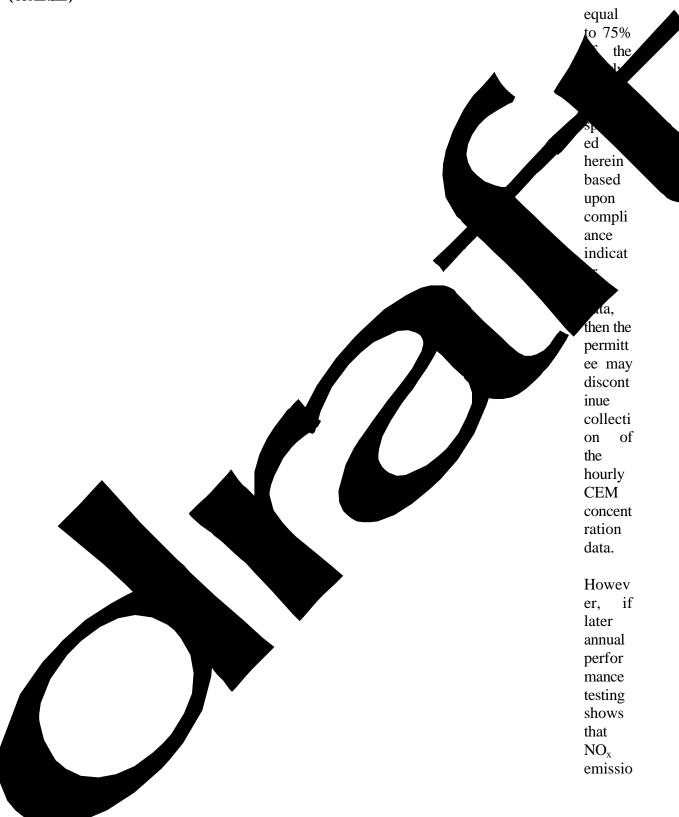
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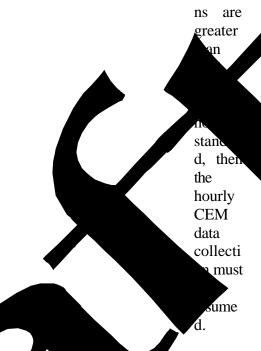
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SECTION B EMISSION POINTS, AFFECIED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)



- g. The total sulfur dioxide emission rates shall not ceed 0.2 lb/ton of liquid steel. (BACT).
- h. The total lead emission rates not exceed 0.162 lb/hr and 0.00081 lb/ton of liquid steel. (BACT).
- i. The total VOC emission es shall not (BA).

3. <u>Trements</u>:

- a. requirements of 40 CFR 60.275a, Test methods and procedule more string remembers are listed herein.
- educt annual performance tests, within 90 calendar days of the ne perm. formance test (February 22, 1998) for NO_x, VOC, PM, CO, versary date of annual tests result in specified emissions being less than or b and SO₂. If two c for VOC, PM, CO, Pb, and SO₂, specified herein, then no equal to 75% of the shall be required for that pollutant during the term of this permit. If additional annual testi tests result in specified emissions being less than or equal to 75% of two consecutive ann specified herein, and the permittee chooses to continue the hourly CEM the standard for NO data collection. n no additional annual testing shall be required for NO_x during the term of vis permit

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SECTION B EMISSION POINTS, AFFECIED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

c. Performance tests shall be performed by the reference methods specified in Regulation 401 KAR 50:015, Section 1.

Testing Requirements Continued:

- d. If the performance tests and/or compliance demonstrates are not conceived at EAF=s maximum capacity as specified herein, the performance and/or increase shall be repeated at 50 ton production increase intervals. It is a production increase shall be based on changes in the average steel production consecutive heats. The permittee may petition the Division for Air Quality to pollutants at each of these production increase intervals.
- The exhaust rate of emissions referenced under Sections 2.e. and to be e. determined based upon measurement of flow rates in the nopy duct, È and DEC duct, combined, and converted to standar over three 8 under conditions representative of normal EAF of ust rate me rements shall be determined by EPA Methods 1 through ned within 90 days of the public notice of this draft per at. The per report to the any revised Division supporting the determination of to be used in xhaust providing compliance assurance through formula s cified in Se ons 2.e. and 2.f., above. in operating conditions The exhaust rate is to be redetermine the perr tee if chang previous haust rate is no longer occur that would indicate that etermined representative of normal operation onditions, the Divisi concurs.

4. Speci Monitoring Research

and operate devices which continuously monitor and mittee sh nd CO col of the gases in the duct leading to the baghouse, or reco monitors shall be operated in compliance with other ap ions. The ons 2 and vely, as contained in 40 CFR Part 60, Appendix performance B. The monito all be 100 ppm. The permittee shall follow the rocedures contained in 40 CFR Part 60, Appendix F, and the ore quality intors shall be ca gases of known concentrations equal to: 50 to 60 ppm; 20 30 ppm; 5 to 8 ppm

b. The permittee hall comply with the requirements of 40 CFR 60.274a, Monitoring of operations, unless pare stringent requirements are listed herein. As provided in 40 CFR 60.274a, the operation of the emission capture system shall be monitored through checks, performed on a respectively performed on a respectively. The data gathered shall be compared against the values established

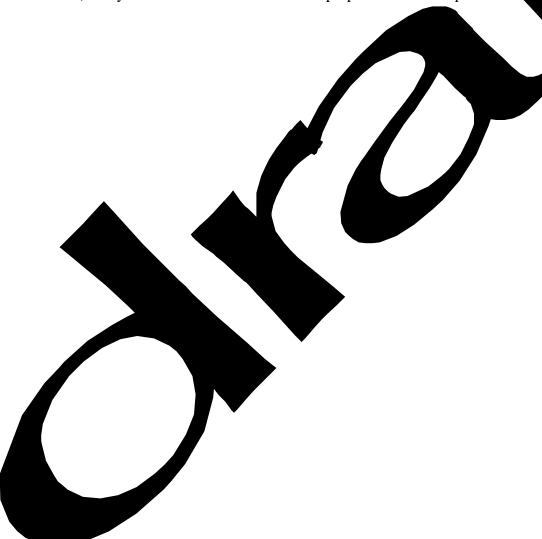
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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

during the latest performance test and approved by the Division. Any deviation in the amperage of the fans used in exhausting the emissions to the baghouses more than "15

Specific Monitoring Requirements Continued:

the Divi percent from the value established during the performance test and approved exceedance of the static pressure in the free space inside the EAFs above el establish ered to be up the latest performance test and approved by the Division, may be con operation and maintenance of this affected facility. The pressure mo bring device accuracy of plus or minus 5 mm of water gauge over its normal operating inge and s √ be calibrated. according to the manufacturer=s instructions. Monitoring of the capture mance shall also be performed through monthly operational status inspections of the equ is important to the performance of the total capture system (i.e., pressure sensors, dampers, witches). This inspection shall include observations of the physical appearance of the presence of holes in ductwork or hoods, flow constrictions caused by dents or acc york, and fan erosion). Any deficiencies shall be noted and proper maintenance performed

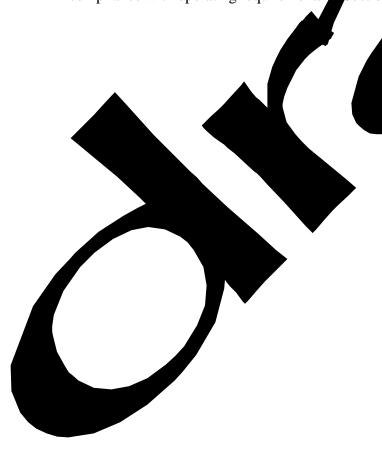


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SECTION B EMISSION POINTS, AFFECIED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Specific Monitoring Requirements Continued:

- c. The permittee shall comply with the requirements of 40 CFR 60.273a, It ission Monitoring, unless more stringent requirements are listed herein. As provided it 60.273a, the opacity monitoring, made by observations of the visit emission baghouse, shall be performed by a certified visible emissions obtains as follows.
- \$ Visible emission observations shall be conducted at least or oper day, during operation of the furnaces. At least once per week, a qualitative visual observation of shall conducted during operation of dust handling equipment of the ighouse.
- \$ These observations shall be taken in accordance with Meth and, for at least three 6-minute periods, the opacity shall be recorded for each point(state of the sible emissions are observed.
- \$ Where it is possible to determine that a number of these visible and relate to only one incident of visible emissions, one set of three 6-minute diservations. In this case, Method 9 observations must be made for the site of highest expressions are required. In this case, Method 9 observations must be made for the site of highest expressions. The visible emission observations shall begin on the diservations are test remainded in this permit is completed.
- d. The permittee shall make visual inspections of all stap compliance with operating requirements it section 1.



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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. **Specific Record Keeping Requirements:**

- a. The permittee shall comply with the requirements of 40 CFR 60.276a, Record eping and reporting requirements, unless more stringent requirements are listed herein.
- b. The permittee shall keep records of the sulfur contents, reases, and ame carbon charged, and these records shall be available to Division ersonnel upon que
- c. The permittee shall keep records of the amounts, es, as we as a general description of the scrap or scrap substitutes, and these record Division personnel upon request.
- d. The permittee shall keep records of the maintenance and control equipment, and these records shall be made available to Division and upon request. The parameters shall include the pressure drop ranges, and those provided to be monitored by 40 CFR Subpart AAa.
- NO_X The permittee shall keep records ssed as (ext NO₂)concentrations recorded from the CEMs. ata used to el produ other provide reasonable assurance of compliance th CO and ons under the formula specified in Sections 2.e. and 2.f. records bove. The ade available to Division personnel upon request.

6. Specific Reporting Requiremen

- a. The permittee shall come with the remaining ments of 40 CFR 60.276a.
- and electronically formatted reports to permittee quarterly \ b. Frankfor fice containing the data provided by the continuous marked by the thirtieth (30th) day following the end All reports emis ted in the format specified by the division. The of each rter and sh for data re all correspond to the averaging periods specified averaging p herein fa ons. The sions shall be reported in ppm per hour, pounds per steel tapped, tons per reporting period, and cumulative tons per ounds per for the preced tive 12 month period. The permittee shall identify the nethodology used to he above required information in the quarterly reports. NO_X emissions shall be rea s NO₂. A file shall be kept and maintained on the following items:

Reporting Juirements Continued:

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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

- i.) Emission measurement (strip charts, etc.);
- ii.) Monitor performance testing measurements;
- iii.) Performance evaluations;
- iv.) Calibration checks;
- v.) Adjustments and maintenance performed on such
- c. Within 30 days of the end of each calendar quarter, the fmittee shall pmit to Division a report containing the number of excursions above E(X) emission limitations that are indicated by the methodology established above. The report shall include the date and time of the excursions, and the percentage of EAF operating time during in the calendar quarter.

7. Specific Control Equipment Operating Conditions:

The permittee shall install, properly maintain, and open the description of the descripti

8. Alternate Operating Scenarios:

None.

9. Compliance Schedule:

Within 90 days of the pure contice day install exertified, and control of the NO_X emissions as provided as NO_X emissions as provided as NO_X emissions as NO

10. Come diffication has been described by the second seco



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SECTION B EMISSION POINTS, AFFECIED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

02 (E2)

Description:

New meltshop to be constructed, consisting of the following:

Twin-Shell EAF & continuous caster Ladle and tundish bricking, deskulling, and brick tear-out Shell bricking and brick tear-out One LMF

One tundish dryer, 1.5 MMBtu/hr One ladle dryer, 14 MMBtu/hr

One ladle dryer afterburner, 3 MMBtu/hr

Three ladle preheaters, 14 MMBtu/hr, each

Two tundish preheaters, 10 MMBtu/hr, each

Two tundish casting nozzle preheaters, 5 MMBtu/hr, each

Dump pit for handling used refractory materials

Control Equipment: positive pressure fabric filter baghe

Construction commenced: August 1, 1997

APPLICABLE REGULATIONS:

- A. 401 KAR 51:017, Prevention of signature and deterior along air gratity.
- B. 401 KAR 59:575, Standards of Armance function of Steel plants electric arc furnaces and argon-oxygen decarburization value construct after Aug. 17, 1983 (40 CFR Part 60, Subpart AAa).
- C. 401 59:010, New perations.

1. Or sitations:

- a. The area was a state of the heel) shall not be exceed the substitutes: The state of the heel shall wheat, Lime: 12 tons/heat, and Carbon/substitutes: The state of tons/heat in the state of the heel shall shall be stated in the state of the heel shall shall be stated in the state of the heel shall shall be stated in the state of the heel shall shall be stated in the state of the heel shall shall shall be stated in the state of the heel shall shall shall be stated in the heel shall shall shall shall be stated in the heel shall shall
- Scrap substitution beginning to the following general categories: pig iron, direct reduced iron, iron categories oriquetted iron. (Limit on PTE). The following materials generated on-site may acced into the EAF: dropout chamber contents; spark arrestor dust; roll grinding swart; Ighouse bags; personal protective equipment from baghouse and ductwork maintenant; and baghouse dust.

ting Limitation Continued

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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

c. The permittee shall primarily use high grade, low residual, preprocessed, inspected scrap. (BACT).

- d. The permittee shall not add into the EAFs any charged carbon or any of substitutes with a sulfur content greater than 0.65. (BACT).
- e. The permittee shall properly maintain and operate the me-wall burner are within the EAF shell) in accordance with manufacturers guide es. The side will burn may be removed and/or replaced if the permittee demonstrate the Divisit As satisfaction, that compliance with the BACT limitations listed herein can be reveal (BACT).
- f. Steel production rate shall not exceed 200 tons per hour averaged over 24 hours) from the twin shell EAF. Simultaneous is prohibited. (Limit on PTE).
- g. The permittee is only authorized to operate the sounder the operate that were in use when compliance was demonstrated
- h. The permittee shall use necessary and resonable permittee control particulate emissions from the handling of the used refresory materies.

2. Emission Limitations:

- a. The permittee shall complete at the requirements of 40° FR 60.272a, Standard for Particulate Matter, unless more a gent requirements are light herein. As provided in 40° CFR 60.272a, the visible onise as determined as Method 9 shall meet the following limits:
 - Less than second opacity exiting the meltshop=s baghouses; than tended to pacity from the dust handling system; and than six (6) the operations of the second to the second to the second to the operations of the second to the
- b. The visible as a selection of all other existion units in the subject to 40 CFR 60.272a shall be less than 20 percent. 401 KAR 59:010).

ssion Limitations Contacted

c. The total articulate emission rate shall not exceed 16.05 lbs/hr. (BACT).

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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

d. The particulate grain loading as measured at the control device exit by Reference Method 5D, 40 CFR 60, Appendix A, shall not exceed 0.0018 grain/dscf. (BACT).

e. The total carbon monoxide emission rates shall not exceed 400 lbs/hr and 2 liquid steel. (BACT).

The permittee shall provide reasonable assurance of continuous compliance with the carbon monoxide emission rate by operating the EAF such that a CO concentration, over applicable averaging period, is less than or equal to 400 lbs/hr indicated to the following formula:

 $lb(CO)/hr = (C) \times (SCFM) \times (4.364 \times 10^{-6} (lb-SCFM/ppm/hr))$

WHERE: C = hourly average CEM concentration oy 24 hours SCFM = exhaust rate at standard conditions determined from

The permittee shall provide reasonable assurance of a spliance with os/ton of liquid steel produced limitation on carbon following formula:

lb/(CO)/ton steel = (AC)/(P)

WHERE: AC = lb(CO)/hr average 24 hour coduction day P = average ton per house el poured ring the 24 lb ur production day

The exhaust rate is to be dearm d using the along delineated under Section 3.g., 1 w.

ta (set o ock averages) recorded in a calendar quarter show he hourly a that occur in the aggregate for more than 5% of the excu ing the quarter, the permittee shall contact the total nul our sets g on of said excursions to schedule a performance Division w (0) days of test to de nce with arbon monoxide emission rate. The permittee shall githin ninety (90) days from the date it is required to contact the ine perfor sion The Division this testing requirement upon a demonstration that the cause f the excursions has cted.

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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Limitations Continued

If the permittee demonstrates to the Division, and the Division concurs, that CO emiss has for two consecutive years are shown to be less than or equal to 75% of the standard herein based upon CEM data, then the permittee may discontinue collection of the concentration data.

f. The total nitrogen oxides emission rate, expressed as NC shall not exc and 0.51 lb/ton of liquid steel. (BACT).

The permittee shall provide reasonable assurance of continul nitrogen oxide emission rate by operating the EAF such that the N as a sindicated as NO₂, over the applicable averaging period, is less than or equal as indicated by the following formula:

$$lb(NO_x)/hr = (N) \times (SCFM) \times (7.17 \times 10^{-6} (1b-SCFM/pc))$$

WHERE: N = hourly average CEM conditions of urs, ppm

SCFM = exhaust rate at standard inditions of the standard indicates the standa

The permittee shall provide reasonable a urance of continuing the see with the 0.51 lb/ton of liquid steel produced limitation on nitrogs oxide emissions as indicated by the following formula:

 $lb(NO_x)/ton steel = (AN)/(P)$

WHF AN = lb() verage for production day

P = per hour steeper during the 24 hour production day

The examples to be determined by the testing methodology delineated under Section 3.g., below

averages) recorded in a calendar quarter show If the C 4 hour b ssion limit that occur in the aggregate for more than 5% of the ons from the erated during the quarter, the permittee shall contact the number of 24 Division within thirty of aggregation of said excursions to schedule a performance e with the nitrogen oxides emission rate. The permittee shall test to demonstrate co test within ninety (90) days from the date it is required to contact the conduct the performar Division. The Divis n may waive this testing requirement upon a demonstration that the cause of the excur ns has been corrected.

Limitati continued:

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SECTION B EMISSION POINTS, AFFECIED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

If the permittee demonstrates to the Division, and the Division concurs, that NO_x emissions for two consecutive years are shown to be less than or real to 75% of the hourly standard specified herein based years at a data, then the permittee may discort the collect hourly CEM concentration data. Ever, if late performance testing shows that N missions are or at 75% of the hourly standard, in the hourly EM of collection must be resumed.

- g. The total sulfur dioxide emission rates shall not exceed a square and 0.2 lb/ton of liquid steel. (BACT).
- h. The total lead emission rates shall not exceed 0.162 lb and 0.5 and of liquid steel. (BACT).
- i. The total VOC emission rates shall not exceed 0.13 lb/ton o. (BACT).

3. <u>Testing Requirements</u>:

- a. The permittee shall comply with a requirement at sof 40 Cl. 760.275a, Test methods and procedures, unless more stringer and uirement are listed her in.
- b. Within 60 days after ach ing the ma ım produ n rate at which the affected facilities will be operated, later than cart-up of such facilities listed e permittee sh £2(02) (New meltshop baghouse t performa emissions and furnish the Division-s NO_x, V SO 2, and results of such performance tests. a written
- c. It is a shall contain the performance tests, within 90 calendar days of the anniversary consecutive set for NO_x , VOC, PM, CO, PB and SO_2 . If two consecutive set for VOC, and SO_2 , specified herein, then no additional annual testing for that pollutant shall be a standard for VOC, specified herein the specified herein, the specified herein is being less than or equal to VOC, specified herein the specified herein is being less than or equal to VOC, and VOC, are also as a specific polynomial testing the term of this permit. If two consecutive annual and a specific polynomial testing the term of this permit. If two consecutive annual and the standard for VOC, and VOC, are also as a specific polynomial testing the term of this permit. If two consecutive annual and VOC are also as a specific polynomial testing the term of this permit.

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SECTION B EMISSION POINTS, AFFECIED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Testing Requirements Continued

CEM data collection, then no additional annual testing shall be required for NO_x decay the term of this permit.

- d. Performance tests shall be performed by the reference meth 401 KAR 50:015, Section 1.
- e. The PM from the PM compliance tests shall be analyze of determine the emissions of copper, antimony, arsenic, beryllium, cadmium, cobalt, selenium, vanadium, calcium oxide, aluminum, chromium memolybdenum, and zinc. This analysis is only required for the first (State-origin requirement).
- f. If the performance tests and/or compliance demonstrations are no at the EAF-s maximum capacity as specified herein, the performance of the per ests and/or c shall be repeated at 50 ton production increase in urement of ction increase shall be based on changes in the average. hree consec ve heats. The permittee may petition the Division for ır Quali for certain pollutants at each of these production increa intervals
- The exhaust rate of emissions ref enced und Sections 2. and 2.f., above, is to be g. y duct, EAF canopy duct, w rates in le caster can determined based upon measurement over three 8-hour periods and DEC duct, combined, and co d condition ed to star ormal EAF rations. 🍱 exhaust rate measurements under conditions representative shall be determined by EPAM ds 1 throu ate shall be determined at the re testing requir above. The all submit a report to the Division the detern ny revised rate that is to be used in providing surance to rmula specified in Sections 2.e. and 2.f., above. The e redetern ermittee if changes in operating conditions occur that exha ped exhaust rate is no longer representative of would in the previo on concurs. normal ope. tions, and

4. Sper Moniton ments:

The permittee that a stain and operate devices which continuously monitor and record the NO and Concentrations of the gases in the duct leading to the

Serific Monitoring Requirements Continued:

baghouse, or of approved locations. The NO_X and CO monitors shall be operated in appliance of a performance specifications 2 and 4, respectively, as contained in 40 CFR

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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Part 60, Appendix B. The span values for the monitors shall be 100 ppm. The permittee shall follow the applicable quality assurance procedures contained in 40 CFR Part 60, Appendix F, and the monitors shall be calibrated with gases of known concentrations equal to: to 60 ppm; 20 to 30 ppm; 5 to 8 ppm; and zero.

b. The permittee shall comply with the requirements of 40 C .274a. Mon. As provided operations, unless more stringent requirements are listed here 60.274a, the operation of the emission capture system shall by honitored thr performed on a once-per-shift basis, of the furnace static pressu control sys A fan ampere and damper positions. The data gathered shall be compared alues established during the latest performance test and approved by the Div deviation in the amperage of the fans used in exhausting the emissions to the ba more than "15 percent from the value established during the performance test a the Division and any exceedance of the static pressure in the free space in the the level established during the latest performance test and approved by the considered to be unacceptable operation and maintenar this affected pressure monitoring device shall have an accuracy of 5 mm of wat its normal operating range and shall be calibrated. ructions. ufacturer≒s i



Specif Monitoring Requir

Monitoring of the cape re system performance shall also be performed through monthly operational status in actions of the equipment that is important to the performance of the total capture system (i.e., pressure sensors, dampers, and damper switches). This inspection

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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

shall include observations of the physical appearance of the equipment (e.g., presence of holes in ductwork or hoods, flow constrictions caused by dents or accumulated dust in ductwork, and fan erosion). Any deficiencies shall be noted and proper maintenance perform

- C. The permittee shall comply with the requirements of 40 C 60.273 Monitoring, unless more stringent requirements are listed herein provided in 60.273a, the opacity monitoring, made by observations of the table emission to baghouse, shall be performed by a certified visible emissions server as follows:
- \$ Visible emission observations shall be conducted at least e per day dring on-line operation of the furnaces. At least once per week, a qualitate conducted during operation of dust handling equipment of the
- \$ These observations shall be taken in accordance with Method minute periods, the opacity shall be recorded for each point(s) missions are observed.
- \$ Where it is possible to determine that a number of these visible emission only one incident of visible emissions, one set of three 6-mires observations and ed. In this case, Method 9 observations must be made for the sighest opacity carectly relates to the cause (or location) of visible emissions observations shall begin on a date the permit is completed.
- d. The permittee shall make visuality sections of a scrap char of into the EAF to assure compliance with operating requirements in Section 2.

5. Specific Record Keeping Leque ements:

- a. with the requirements of 40 CFR 60.276a, Record keeping are stringent requirements are listed herein.
- b. I was a sea of the sulfur contents, analyses, and amounts of carbon charges records available to Division personnel upon request.

Special Record Keeping Record As Continued:

c. The permitter shall keep records of the amounts, types, as well as a general ription of the scrap of scrap substitutes, and these records shall be made available to Division personnel upon regresst.

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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

d. The permittee shall keep records of the maintenance and operating parameters of the control equipment, and these records shall be made available to Division personnel upon request. The parameters shall include the pressure drop ranges, and those parameters builted to be monitored by 40 CFR Subpart AAa.

e. The permittee shall keep records of the CO and concentrations recorded from the CEMs, steel production data, a other data used pareasonable assurance of compliance with CO and NO_X emission initations undo the form specified in Sections 2.e. and 2.f., above. These records shall made available to Division personnel upon request.

Specific Reporting Requirements:

- a. The permittee shall comply with the reporting require ants of 276a.
- The permittee shall provide quarterly written and onically form b. the Division=s Frankfort Central Office containing the d by the con the end emission devices. All reports shall be post marked day follow of each calendar quarter and shall be submitted vision. The the forn averaging periods used for data reporting sk riods *i* correspon specified herein for emission limitations. e emission ppm per hour, shall be pounds per hour, pounds per ton of ka d steel tar d, tons per porting period, and consecu riod. The permittee shall cumulative tons per year for the pree 12 month identify the methodology used to formation in the quarterly mine the ve required reports. NO_x emissions shall be orted as N file shall kept and maintained on the following items:

Emission ment (strip

Monit re testing manufactures;

Performa ons;

dibration &

stments and e performed on such monitoring devices.

c. We shall submit to the Divi of a report to the number of excursions above the CO and NO_X emission

Specific aporting Require sinued:

limitations that are include the methodology established under Sections 2.e. and 2.f., above. The report shall include the date and time of the excursions, the indicated values of the risions, and the percentage of EAF operating time during which excursions occurred in each dar quarter.

pecific Communication Equipment Operating Conditions:

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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)



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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

03 & 04 (R1)

Description:

Slab Reheat Tunnel Furnace (80.7 MMBtu/Hour) Construction commenced: April, 1993

APPLICABLE REGULATIONS:

401 KAR 51:017, Prevention of significant deterioration of air qualit

1. **Operating Limitations:**

- a. The permittee shall use only natural gas as fuel. (BA Z).
- b. The reheat tunnel furnace shall be equipped with low NO_x by designed to maintain 0.09 lb/MM Btu). (BACT).
- c. The total natural gas use shall not acceed 59 and averaged over a three-month rolling period, and 707 MMcf/ (Limit on 1E).

2. Emission Limitations:

- a. Nitrogen oxides emission s, expresso is NO₂, shall ot exceed 7.26 lbs/hr and 0.09 lb/MM Btu. (BACT).
- b. Seed 2.83 lbs/hr and 35 lbs/MMcf.

3. Testing yents:

None

4. Specif Allonitoring onts:

The permittee shall mean matural gas usage on a monthly basis.

Specific Record Keeping Requirements:

The permittee shall keep records of the monthly natural gas usage in MMcf.

Specific Reporting Requirements:

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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

The permittee shall provide a written monthly report, within 30 days following the end of each month, of the reheat furnace=s monthly natural gas usage in MMcf/month. The report shall be mailed to the Division=s Florence Regional Office with a copy to the Frank Central Office.

7. <u>Specific Control Equipment Operating Conditions</u>:

None.

8. <u>Alternative Operating Scenarios</u>:

None.

9. <u>Compliance Schedules:</u>

None.

10. <u>Compliance Certification Requirements</u>:

See Section F.

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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

05 & 06 (R2)

Description:

Slab Reheat Tunnel Furnace (80.7 MMBtu/Hour) Construction commenced: August 1, 1997

APPLICABLE REGULATIONS:

401 KAR 51:017, Prevention of significant deterioration of air qualit

1. **Operating Limitations:**

- a. The permittee shall use only natural gas as fuel. (BA
- b. The reheat tunnel furnace shall be equipped with $\frac{1}{2}$ V NO_x burned designed to maintain 0.09 lb/MM Btu). (BACT).
- c. The total natural gas use shall not sceed 59 the averaged over a three-month rolling period, and 707 MMcf/ (Limit on TE).

2. <u>Emission Limitations</u>:

- a. Nitrogen oxides emission s, express as NO₂, shall not exceed 7.26 lbs/hr and 0.09 lb/MM Btu. (BACT).
- b. Seed 2.83 lbs/hr and 35 lbs/MMcf.

3. Testix yents:

With a softer achie and maximum production rate at which the affected facilities at the not late, and 180 days after startup of such facilities, the owner or prator shall be soften formance test on R2 (05 & 06) for NO_x and furnish the results of such performance test.

4 Specific Monitoring R uirements:

The permittee shall honitor the natural gas usage on a monthly basis.

Specific Record Requirements:

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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

The permittee shall keep records of the monthly natural gas usage in MMcf.

Specific Reporting Requirements:

The permittee shall provide a written monthly report, within 30 days. Howing each month, of the reheat furnaces monthly natural gas usage in National Month. The shall be mailed to the Divisions Florence Regional Office with a copy of Frank Office.

7. <u>Specific Control Equipment Operating Conditions</u>:

None.

8. <u>Alternative Operating Scenarios</u>:

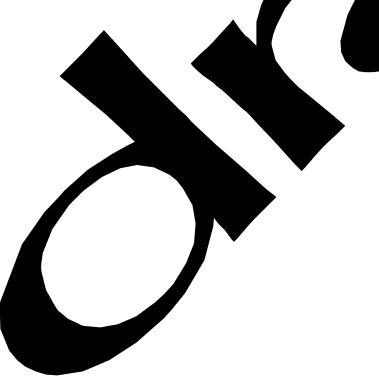
None.

9. <u>Compliance Schedules</u>:

None.

10. Compliance Certification Requirement

See Section F.



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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

(-) T1

Description:

Cooling Towers, including:

Tower #1, 1 cell (existing)

Tower #2, 3 cells (2 existing cells and 1 new cell)

Tower #3, 6 cells (3 existing cells and 3 new cells)

Construction commenced: April, 1993, for existing; August 1, 1997, feew

APPLICABLE REGULATIONS:

401 KAR 51:017, Prevention of significant deterioration of air quality

1. Operating Limitations:

- a. The use of chromium based water treatments in the cooling ters is prohibited (40 CFR 63 Subpart Q).
- b. Tower #1: Water flow rate to tower pall not exceed 6,0 minute. Total dissolved solids concentration shall not exceed 1,050 m. (Limitation 1).
- c. Tower #2: Water flow rate to the result of the result o
- d. Tower #3: Water fow the to tower on shall no solved solids control of the solid solids control of the solid sol
- e. The specific point of the second of the s

2. Emission L

- a. Tower #1. mission rate shall not exceed 0.3 lb/hr. (BACT).
- 5. Tower # 2: Pa mission rate shall not exceed 2.8 lbs/hr. (BACT).
- c. Tower # 3, Palculate emission rate shall not exceed 5.4 lbs/hr. (BACT).

Testing Requirements:

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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

None.

4. **Specific Monitoring Requirements:**

The permittee shall monitor the total dissolved solids concerning in the cooling towers= water.

5. **Specific Record Keeping Requirements:**

- a. The permittee shall keep records of the cooling towers= records shall be made available to Division personnel upon re
- b. The permittee shall keep records of maintenance, and the available to Division personnel upon request.

6. **Specific Reporting Requirements:**

None.

7. Specific Control Equipment Operating Conditions:

None.

8. Alternative Operating Scenario

None.

9. C Schedul

None.

10. Compliance on Requirements

See Letion F.

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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

(-) **RP**, (-) **TR**

Description:

Various paved and unpaved roads within the plant boundaries.
Various paved and unpaved roads within the barge terminal bour
Construction commenced: April, 1993 for plant roads, and July
15, for terminal to

APPLICABLE REGULATIONS:

- A. 401 KAR 63:010, Fugitive emissions.
- B. 401 KAR 51:017, Prevention of significant deterioration of air of

Increases and decreases in emission rates at Gallatin Transit and nority, unloading/loading facilities that are not associated with activities at the steel mill as a separate independent entity. The permittee shall be responsible to emonstrating is not associated with the steel mill.

1. **Operating Limitations:**

- a. The permittee may pave any of the existing unracked roads permits from this Division. This does not authorize the extra sion, or contraction, of y additional plant roads.
- 2. The permittee is authorized to gate 3.63 miles of paved roady s. (Limit on PTE).
- 3. The permittee is authorized supported to present a company adways. (Limit on PTE).

2. **Epitations:**

None`

3. Testing Requ

None

4 Specific Monitoring Luirements:

None.

ecific P Keeping Requirements:

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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONINUED)

The permittee shall keep records of the dates that it swept, and applied water/dust suppressants to roadways, and these records shall be made available to the Division personnel upon request.

6. **Specific Reporting Requirements:**

None.

Specific Control Equipment Operating Conditions: 7.

The permittee shall employ a combination of the following to control f missions (both plant and terminal roads): sweeping for paved roads, watering and the uppressants, and restricting vehicles= speed on unpaved roads to 5 MPH which shall be en gittee. (Work Practice BACI).

Alternate Operating Scenarios: 8

None.

9 Compliance Schedule:

None.

10. Compliance Certification Requirem



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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

(-) **BL**

Description:

Barge terminal facilities consisting of:

Barge Loading (coal, coke, silicon, gypsum bark mulch)
Barge Unloading (steel scrap, coke, bark mulch)
Unloading: Conveyor to Stockpiles
Loading: Stockpiles to conveyor
Six Conveyor Transfer Points
Rotary Car Dump (coal)
Two Stockpiles (coal & coke)
Construction commenced: July, 1975, and April, 1986.

APPLICABLE REGULATIONS:

401 KAR 63:010, Fugitive emissions.
401 KAR 51:017, Prevention of significant deterioration of air

Increases and decreases in emission rates of Gallatin 7 misit Automorphisms of porated sharge unloading/loading facilities that are not associated with activities at the steel mill sharper reviewed as a separate independent entity. The permittee shall be response for demonstrating that an activity is not associated with the steel mill.

1. <u>Operating Limitations</u>:

- a. Loading research exceed 2,000 nour. (Limit on PTE).
- b. Adding rate 5. Add 400 tons per hour. (Limit on PTE).
- c. Uhlba conveyor by shall not exceed 2,000 tons per hour. (Limit on PTE).
- d. Loading rate less to conveyor shall not exceed 2,000 tons per hour. (Limit on PTE).
 - Conveyor shall not more than 2,000 tons per hour. (Limit on PTE).

dating Limitations Continued

f. For the party car dump, maximum coal processing rate shall not exceed 2,000 tons per hour. Limit on PTD

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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

2. Emission Limitations:

None.

3. Testing Requirements:

None.

4. <u>Specific Monitoring Requirements:</u>

The permittee shall perform monthly operational status inspections of a suppression equipment. The observations shall include but not be limited appearance of all equipment.

5. <u>Specific Record Keeping Requirements</u>:

The permittee shall keep records documenting mainter and equipment. These maintenance records shall be maintain and made upon request.

6. <u>Specific Reporting Requirements:</u>

None.

7. Specific Control Equipment Opering Conditi

- a. dependite shows a pad/or surfact control fugitive dust. (Work Practice BACI).
- b. Since the shall of the shall of the state of the shall be noted and proper maint. The shall be noted and the shall of the shall of the shall be noted and proper maint.
- c. The permitted with the standard operating procedure (SOP) plan that was submitted to be Division.

Specif Control Equipment Continued:

d. The permittee shall submit updates of changes in the SOP to the Division in semi-annual reports.

Alternative Operatog Scenarios:

bne

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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)



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SECTION B EMISSION POINTS, AFFECIED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

(-) P1

Description:

Alloy storage piles Construction commenced: April, 1993

APPLICABLE REGULATIONS:

- A. 401 KAR 63:010, Fugitive emissions.
- B. 401 KAR 51:017, Prevention of significant deterioration of air quality.

1. **Operating Limitations:**

All alloy storage piles shall be enclosed on three sides with concrete walls. (Wo.

2. Emission Limitations:

None.

3. <u>Testing Requirements</u>:

None.

4 Specific Monitoring Requirements

None.

5. Sylvad Keeping

None.

6 Specific P nents:

Nb

Specific Control Farment Operating Conditions:

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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONINUED)

The permittee shall comply with the standard operating procedure (SOP) plan that was submitted a. to the Division.

2. The permittee shall submit updates of changes in the SOP to the Division in semi-and

Alternative Operating Scenarios: 8

None.

Compliance Schedules: 9

10.



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SECTION B EMISSION POINTS, AFFECIED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

(-) CI

Description:

Conveyor transfer points (existing & new) Construction commenced: for existing April, 1993, and August 1, 1997, for new.

APPLICABLE REGULATIONS:

- A. 401 KAR 63:010, Fugitive emissions.
- B. 401 KAR 51:017, Prevention of significant deterioration of air quality.

1. **Operating Limitations:**

All conveyors shall be enclosed to assure that emissions are maintained to a min. BACI).

2. Emission Limitations:

Visible emissions shall be zero percent opacity.

3. Testing Requirements:

None.

4 Specific Monitoring Requirement

The shall perform a perational superctions of the affected facilities. The line of the line of the affected facilities. The line of the physical appearance of all equipment.

5. Specific sing Requirements

None.

6 Selfic Reporting

None.

Specific Control quipment Operating Conditions:

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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONINUED)

The permittee shall comply with the standard operating procedure (SOP) plan that was submitted a. to the Division.

2. The permittee shall submit updates of changes in the SOP to the Division in semi-and

Alternate Operating Scenarios: 8

None.

Compliance Schedules: 9

10.



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SECTION B EMISSION POINTS, AFFECIED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

(-) D1

Description:

12 Parts cleaning tanks Construction commenced: April, 1993

APPLICABLE REGULATIONS:

401 KAR 59:185, New solvent metal cleaning equipment.

1. **Operating Limitations:**

a. The use of halogenated solvent is prohibited.

b. The permittee shall comply with the applicable operation sequirements Sp. Regulation 401 KAR 59:185, New solvent metal cleaning equip

2. <u>Emission Limitations</u>:

None.

3. <u>Testing Requirements</u>:

None.

4 Specific Monitoring Requi

K.

5. Specific sing Requirements

None.

6 Saffic Reporting

None.

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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONINUED)

Specific Control Equipment Operating Conditions: 7.

The permittee shall comply with the applicable control equipment requirements specified Regulation 401 KAR 59:185, New solvent metal cleaning equipment.

Alternate Operating Scenarios: 8

None.

Compliance Schedules: 9

10.



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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

(21) EG

Description:

Timnel furnace emergency generator (1,500 KW)
Pumphouse emergency generator (1,000 KW)
Construction commenced: April, 1993
Timnel furnace emergency generator (1500 KW)
Construction commenced: August 1, 1997

APPLICABLE REGULATIONS:

401 KAR 51:017, Prevention of significant deterioration of air quality.

1. **Operating Limitations**:

- a. The permittee shall use low sulfur diesel fuel just a second s
- b. Each emergency generator shall operate no sore than 60 cars had 2 month period. (Limit on PTE).

2. <u>Emission Limitations</u>:

None.

3. Testip requirements:

N.

4 Specific Requirement

None.

5. Staffic Record Kee

The permittee shall keep tox of each emergency generator=s monthly hours of operation.

Specific Reporting equirements:

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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONINUED)

The permittee shall, if requested by the Division, submit a written report within 30 days following the end of each month of the emergency generators= hours of operation.

Specific Control Equipment Operating Conditions: 7.

None.

Alternate Operating Scenarios: 8

None.

Compliance Schedules: 9

10.



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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

(-)S1, (-)B1, (-)S2, (-)B2

Description:

Mscellaneous Dust Emission Units Consisting of:

- (-) S1 B Existing: EAF Baghouse Dust Silo, Injection Carbon Silo, Two Granular / Silos, Two Slage in Mxture Silos
- (-) B1 **B** Existing: Lime/Carbon System **B** Scrap Bucket Additions: Rail & Truck | Lime Silo #2, Lime/Lime Silo #3, Transfer into Buckets 1 &2, Transfer into Lime Silo #3, Transfer Into Lime Silo Into Lime
- (-) S2 **B** New: EAF Baghouse Dust Silo, Injection Carbon Silo, Two Granular Lively Mxture Silos
- (-) B2 **B** New: Lime/Carbon System **B** Scrap Bucket Additions: Rail & Truck & Whloading Stath.

 Lime Silo #2, Lime/Lime Silo #3, Transfer into Buckets 1 &2, Transfer

Construction commenced: April, 1993, for existing facilities, A 3t 1, 1997, Leave the second commenced april (1993), for existing facilities, A 3t 1, 1997, Leave the second commenced april (1993), for existing facilities, A 3t 1, 1997, Leave the second commenced april (1993), for existing facilities, A 3t 1, 1997, Leave the second commenced april (1993), for existing facilities, A 3t 1, 1997, Leave the second commenced april (1993), for existing facilities, A 3t 1, 1997, Leave the second commenced april (1993), for existing facilities, A 3t 1, 1997, Leave the second commenced april (1993), for existing facilities, A 3t 1, 1997, Leave the second commenced april (1993), for existing facilities, A 3t 1, 1997, Leave the second commenced april (1993), for existing facilities, A 3t 1, 1997, Leave the second commenced april (1993), for existing facilities, A 3t 1, 1997, Leave the second commenced april (1993), for existing facilities, A 3t 1, 1997, Leave the second commenced april (1993), for existing facilities, A 3t 1, 1997, Leave the second commenced april (1993), for existing facilities and the second commenced april (1993), for existing facilities and the second commenced april (1993), for existing facilities and the second commenced april (1993), for existing facilities and the second commenced april (1993), for existing facilities and the second commenced april (1993), for existing facilities and the second commenced april (1993), for existing facilities and the second commenced april (1993), for existing facilities and the second commenced april (1993), for existing facilities and the second commenced april (1993), for existing facilities and the second commenced april (1993), for existing facilities and the second commenced april (1993), for existing facilities and the second commenced april (1993), for existing facilities and the second commenced april (1993), for existing facilities and the second commenced april (1993), for existing april (1993), for existing april (1993), for existing april (1993), for ex

APPLICABLE REGULATIONS:

- A. 401 KAR 63:010, Fugitive emissions
- B. 401 KAR 51:017, Prevention of signification derioration ir quality
- C. 401 KAR 59:575, Standards of performance for steel at the decarburization vessels constructed per August 17. (CED 10.1) 60, Subpart AAa)
- D. 401 KAY 2010, New process

1. Carrier itations:

None.

2. Emission Limitations:

a. Except for the EAF baghouse dust silos (new and existing), visible emissions from the listed affected facilities all not equal or exceed 20% opacity. (401 KAR 59:010).

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SECTION B EMISSION POINTS, AFFECIED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

b. Visible emissions from the EAF baghouse dust silos shall not equal or exceed 10% opacity, on and after the date on which the performance test required to be conducted is completed. (40 CFR 60.272b).

3. <u>Testing Requirements</u>:

- a. With respect to the EAF baghouse dust silos (new and existing), the requirements of 40 CFR 60.275a, test methods and procedures.
- b. The permittee shall determine the opacity, during operation, from the stack or aft by Reference Method 9 on a quarterly basis, or more frequently if requested by the opacity limit is determined, the permittee shall conduct Reference multiplication of the consecutive multiplication of the opacity limit.

4. <u>Specific Monitoring Requirements:</u>

- a. The permittee shall perform a qualitative visual observation of the opacity of exact stack/vent on a weekly basis. Visual observation shall be made any air emission of the vent/stack and the emissions are normal for the process.
- b. The permittee shall determine the opacity of emissions (Reference of visible emissions from any stack/vent is perceived or believed between the policiable standard.
- c. The permittee shall perform a prection of control equipment for any necessary repairs if visual emissions from any stack/verse perceived a perceived to be a dormal or exceed the applicable standard.
- d. supporting the affected facilities and described to the equipment. The shall include but not be limited to, the physical appearance of all

5. Specific Paguirement

- The permittee is a log of the weekly qualitative visual observations of the opacity of the enissions from each is the log shall note: (1) whether any air enissions (except for water vapor) were visible from the stack; (2) all enission points from which visible enissions occurred; and (3) whether the visible enissions were normal for the process.
- b. The permitter shall keep records documenting all deficiencies noted during the monthly operational status spections and the resulting maintenance that was performed.

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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

c. Maintenance records relating to opacity of emissions shall be maintained and made available for inspection by the Division upon request.

6. **Specific Reporting Requirements:**

Any exceedance of the opacity limit shall be reported to the Division y exceedance, the company shall submit the daily, Reference Method 9, vis emission reading emission point, within 30 days of the end of the calendar month

7. Specific Control Equipment Operating Conditions (Existing an

- a. EAF Baghouse Dust Silos Install, operate and maintain a light med to control particulate grain loading to 0.005 grain/dscf and the flow rate to 900 in the state of the same state.
- b. Injection Carbon Silos Install, operate and maintain a bin vent filter to particulate grain loading to 0.01 grain/dscf and the flow rate to accept dscf/m (Work
- c. Granular Lime Silos Install, operate and more control particulate grain loading to 0.01 grain/dscf and the low rate to Work Profice BACI).
- d. Slag Conditioner Mxture Silos Instal operate and mintain a control particulate grain loading to 0.01 grandscf and the flow rate to bo usef/m (Work Practice BACI).

Specific Control Equipment Operation Inditions (Example 2014) Continued:

Fuck Car be stall, operate and mintain a baghouse designed to control parts. See a seed to control and the flow rate to 5000 dscf/m

- f. Carbo Sand Hostall, open a rational abin vent filter designed to control particulate grain loads are control to grain loads and the rate to 900 dscf/m (Work Practice BACI).
- Lime Silos #2 the flow rate and maintain a bin vent filter designed to control particulate the flow rate to 900 dscf/m (Work Practice BACI).
- h. Lime/Lime Silos 3 Install, operate and maintain a bin vent filter designed to control particulate grain loading to 0.01 grain/dscf and the flow rate to 900 dscf/m (Work Practice BACI).
- i. Transfers 20 Buckets 1 &2 Install, operate and maintain a baghouse designed to control articulate grant coading to 0.01 grain/dscf and the flow rate to 5000 dscf/m (Work Practice BACI).

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SECTION B EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

- j. Transfers into Bucket 3 Install, operate and maintain a baghouse designed to control particulate grain loading to 0.01 grain/dscf and the flow rate to 5000 dscf/m (Work Practice RACI).
- k. The permittee shall comply with the standard operating procedure (Social plan that to the Division to ensure that the specified limitations are being met. The plan shall have not be limited to, pressure drops, where applicable, normal visual endows, standard are schedules.
- 1. The permittee shall submit updates of changes in the SOP to transfer in chi-annual reports.
- m The permittee shall operate and maintain baghouses and bin verifications and/or standard operation practices and shall be a maintenance of any deficiencies noted during monthly operational status inspection

8 Alternate Operating Scenarios:

None.

9 <u>Compliance Schedules:</u>

None.

10. <u>Compliance Certification</u> <u>ents:</u>

a. stion F.

b. Shall certify some shall certify shall certify some shall certify some shall certify shall certify some shall certify shall certify shall certify shall certify sh

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SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to Regulation 401 KAR 50:035, Section 5(4).

Description		Regulation	
1.	One HCl Dip Tank (existing)	None	
2.	Coil Identification System (existing)	None	
3.	Melt Shop Portable Arc Welders	40	1 KAI
4.	Melt Shop Cutting Torches	40	1 KAR
5.	Melt Shop Portable Plasma Cutter	40	1 KAR 63:010
6.	Melt Shop Maintenance (Shell/Ladle/Tundish Repair)		3:010
7.	Tundish Spray Station	≠01 KAR	6.016
8.	Rolling Mill Plasma Cutter at Coiler	401 K	63:010
9.	Caster Area Cutting Torch Drops	40	1 KAR 5:010
10.	Cutting Torch to Ignite Oxyden I	V.D.	.0
11.	Ster vard torch	l)	1 KAR 63:010
12.	Cuth. Liquid Ste. Cleane, ag of Dumk.	t 40	1 KAR 63:010
13.	Caster A Pouring I	40	1 KAR 63:010
	Spechamber		

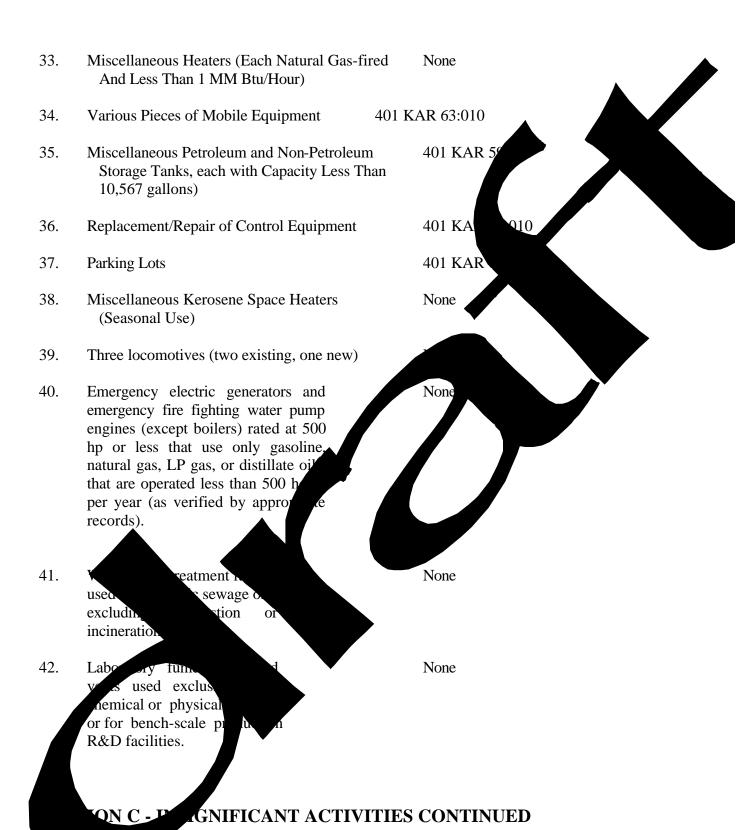
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SECTION C - INSIGNIFICANT ACTIVITIES CONTINUED

14.	Reheat Furnace Area Maintenance Welding Area	401 KAR 63:010
15.	Reheat Furnace Scale Handling	401 KAR 63:010
16.	6 Stand Rolling Mill	401 KAR 6
17.	Rolling Mill Steam Cleaners	401 KAF 3:010
18.	Rolling Mill Cutting Torches 401 K	AR 63:01
19.	Rolling Mill Maintenance Welding Areas	401 KAR
20.	Rolling Mill High Pressure Descale Operation	401 KA 63:016
21.	Roll Grinding	63:010
22.	Scale Pits	10
23.	Rolling Mill Shear Station	401 AR
24.	Portable Welders	J1 KAR 63 10
25.	Baghouse Portable Cutting Torch	401 KAR 5:010
26.	Pump House Portable Cutting To thes	40° R 63:010
27.	Pur e Sludge F	+01 KAR 63:010
28.	Scrap	401 KAR 63:010
29.	Scrap Buck	401 KAR 63:010
30.	Allorandling	401 KAR 63:010
31.	crap Storage and Ha	401 KAR 63:010
37	Outside Maintenance quipment	401 KAR 63:010

ON C. GNIFICANT ACTIVITIES CONTINUED

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43. Indirect heat exchangers or BTU per hour or less actual heat input that use #2 fuel oil, wood, natural gas, LP gas, or refinery fuel gas.

44. During Hot Rolling



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SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

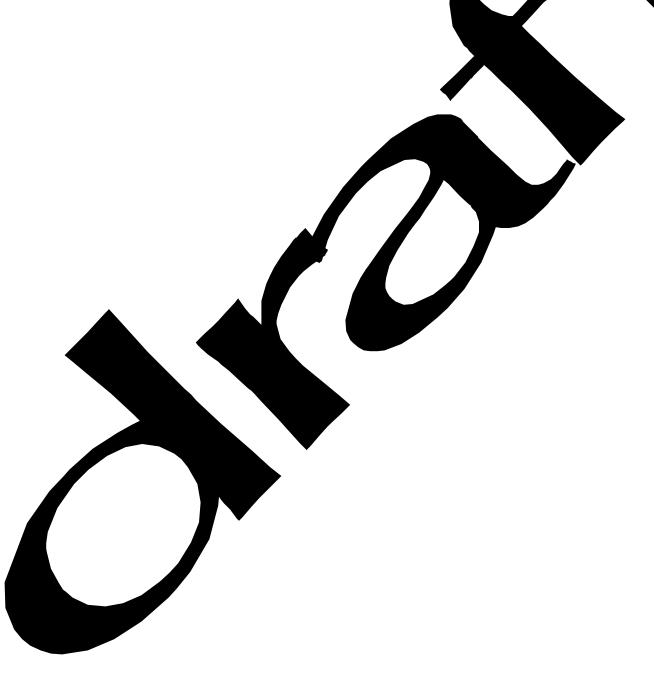
- 1. The permittee shall only use natural gas as fuel in combustion emission units, except the emergency generators which shall use diesel fuel. Each combustion unit shall be with low NO_x burners unless otherwise specified herein.
- 2. Except as otherwise provided herein, hourly BACT emission lightations shall be we over three heats unless a corresponding compliance demonstration requires a lower average period.
- 3. Compliance with Work Practice BACT limitations established one-month average.
- 4. Compliance with annual limitations established herein shall e based monthly emissions during any consecutive 12-month period.
- 5. No oils or lubricants shall be applied to slabs or coils, other and approved by the
- 6. The permittee shall take reasonable precautions to revent part dust dissions from becoming airborne. Visible fugitive dust emission beyond the respert described. (401 KAR 63:010).
- 7. If the National Park Service demonstrates the increase in emissions aboved by this permit adversely impact the air quality-related values of a month Cave, the Division of curs, this permit shall be reopened in accordance with Regulation of KAR 50:035 months in 18 (4 months AR Part 52 & 402 KAR 51:017).



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SECTION E - CONTROL EQUIPMENT CONDITIONS

Pursuant to 401 KAR 50:012, Section 1(1) and 401 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators all, to the extent practicable, maintain and operate any affected facility including assorphism pollution control equipment in a manner consistent with good air pollution control minimizing emissions. Determination of whether acceptable of ang and man procedures are being used will be based on information available to the cabinet and include, but is not limited to, monitoring results, opacity observations, review of cerating a maintenance procedures, and inspection of the source.



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SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS

- 1. When continuing compliance is demonstrated by periodic testing or instrumental morning the permittee shall compile records of required monitoring information that include:
 - a) Date, place as defined in this permit, and time of sampling or
 - b) Analyses performance dates;
 - c) Company or entity that performed analyses;
 - d) Analytical techniques or methods used;
 - e) Analyses results; and
 - f) Operating conditions during time of sampling or measure.
- 2. Records of all required monitoring data and su acluding c orations. maintenance records, and original strip chart ts required ordings, by the Division for Air Quality, shall be ret his permit for led at the s a period of five years and shall be made ailable for spection est by any duly authorized representative of the Division or Air Ou
- 3. The permittee shall allow the Cabi of authorize representatives to perform the following:
 - a) Enter upon the previse there a source and the emissions-related activity is anducted, or when the description of the emissions and the emissions are lated activity is an emission and the emission and th
 - by comparing the seasonable times, any records required by the permit:
 - g normal c
 - ii) sy when prompt access to records is essential to compare to compare the compare
 - Inspect, at respect, any facilities, equipment (including monitoring and pollution conment), practices, or operations required by the permit.

 Reasonable times and include, but are not limited to the following:
 - i) Durical land hours of operation at the source,

ION F - M AITORING, RECORD KEEPING, AND REPORTING (CONTINUED)

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ii) For all sources operated intermittently, during all hours of operation at the source and the hours between 8:00 a.m. and 4:30 p.m., Monday through Friday, excluding holidays, and

- iii) During an emergency; and
- d) Sample or monitor, at reasonable times, substances or parar with the permit or any applicable requirements. Reason are not limited to the following:
 - i) During all hours of operation at the source,
 - For all sources operated intermittently, during source and the hours between 8:00 a.m. and 4:30 p. excluding holidays, and
 - iii) During an emergency.
- 4. No person shall obstruct, hamper, or interfere with any or interfere members are representative while in the process of carrying out of the representative grounds for permit revocation and the penalties.
- 5. Reports of any monitoring required by this p nit, other t on monitors, shall be reported to the Division's Flore e Regional ffice no the six-month g une life of this permit, anniversary date of this permit and every x months/ reafter dur All repor unless otherwise stated in this per shall be por harked by the 30th day following the applicable due date a from t continuous / hission monitors shall be reported to the Technical Servic ranch in th vision=s **J** akfort office in accordance with the requirements of Regula 401 KAR Provisions, Section 3(3). All report hall be certified. onsible offi o Section 6(1) of Regulation 401 5, Permits ons from pe frements shall be clearly identified in
- 6. a. Regulation 401 KAR 50:055, Section 1 the owner or land of the formula of the company of th
 - exce a startup any planned shutdowns and ensuing startups will exce a startup of the rds notification shall be made no later than three (3) days before a shutdown, or immediately following the decision to shut down, the rutdown is due to events which could not have been foreseen three (days before the shutdown.

TION F - MO TORING, RECORD KEEPING, AND REPORTING UIREMENTS CONTINUED)

Permit Number: <u>V-99-003</u> Page: <u>56</u> of <u>63</u>

2. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards notification shall be made within 24 hours by telephone (or other electronic media) and shall cause written notice upon request.

b. In accordance with the provisions of Regulation 401 KAR 50:035, Section the owner or operate shall provide viations from permit requirements, include attributed to upset conditions to the Division Quality Florence Region Office. Providing reports shall be defined as quarterly for any 20 Mation

related to em star ards(other than emission exceedances c

Condition 6(a) ab mi-annually for all other deviations from the not otherwise specified the pe

- Permits, Section 7(2)(b), the permittee shall certify compliant terms and contained in this permit, annually on the permit issuance and terms and terms and contained in this permit, annually on the permit returning a Compliance Certification Form (DEP 7007CC) in e. below accordance with the following requirements:
 - a. dentification is term of condition of the permit that is the basis of the certification.
 - . The complian garding each term or condition of the permit;
 - c. Whether company as continuous or intermittent; and
 - d. The method und for determining the compliance status for the source, currently and over the reporting period, pursuant to 401 KAR 50:035, Section 7(1)(c),(d), and (e).
 - e.. The certification shall be postmarked by the thirtieth (30) day following the applicable permit is nance anniversary date. Annual compliance certifications should be mailed to the dowing addresses:

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SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

Division for Air Quality Florence Regional Office 8020 Ewing Boulevard, Suite 110 Florence, KY 41042 U.S. EPA Region IV Air Enforcement Branch Atlanta Federal Center 61 Forsyth St. Atlanta, GA 30303-896

Division for Air Quality Central Files 803 Schenkel Lane Frankfort, KY 40601

- The certification shall be postmarked by the thirtieth (30) day follow permit issuance anniversary date.
- 8. In accordance with Regulation 401 KAR 50:035 and mittee shall eport all information necessary to determine its subject missions.
 - 1. The permitting authority may require other factor eyond iterated a condition #7 to determine the compliance state of the source pursuant to 4 T KAR 50:035, Section 7(2)(d).
 - 2. Instrumental or non instructional monit is which it consist of record keeping, may be performed and non to or in vield reliable in the purposes of the purposes of the continuing compliance with conditions
- 9. Pursus and VII.3 of an annual of the Division for Air Quality as referenced by Regular to the Division of the Division of the first station of the Division of the first station of the Division of the first station of the Division of the Division of the First station of the Division of the Division of the Division for Air Quality as referenced to the Division for Air Quality as referen

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SECTION G - GENERAL CONDITIONS

- (a) General Compliance Requirements
 - 1. The permittee shall comply with all conditions of this permit. A noncomply be (a) violation(s) of state regulation 401 KAR 50:035, Permit Section for federally enforceable permits is also a violation of Fermi Statute 42 through 7671q (the Clean Air Act) and is grounds for enforcement action in the not limited to the termination, revocation and reissuance or revision of the permit.
 - 2. The filing of a request by the permittee for any permit representation, reissuance, or termination, or of a notification of a planned change and an ed noncompliance, shall not stay any permit condition.
 - 3. This permit may be revised, revoked, reopened and reit ded, or for cause.

 The permit will be reopened for cause vised accordingly under the following circumstance.
 - If additional applicable requirement and the a) e to the soul remaining permit term is three years or 1 reopening case. shall be completed no later the Igation of the eighteen (1 applicable requirement. A compliance with opening sh not be re the applicable requireme is not requ ed until af the date on which the its terms and conditions permit is due to expi less this mit or any arsuant t KAR 50:035, Section have been extend egulation 12(2)(c);
 - The Cabi U. S. EPA anat the permit must be revised or revoke applicable requirements.;
 - The Cab.

 S. EPA determines that the permit contains a material stake or the statements were made in establishing the emissions and ards or oth conditions of the permit;
 - e and shall affect only those parts of the permit for which cause to reopen exprings shall be made as expeditiously as practicable. Reopenings slave an anticated before a notice of intent to reopen is provided to the source by the land, at least thirty (30) days in advance of the date the permit is to be reopened, a cept that the Division may provide a shorter time period in the case of an emergence

TION G - GEY ZRAL CONDITIONS (CONTINUED)

Permit Number: <u>V-99-003</u> Page: <u>59</u> of <u>63</u>

General Compliance Requirements (Continued)

4. The permittee shall furnish to the Division, in writing, information that the Division may request to determine whether cause exists for modifying, revoking and reissuing, or termating the permit, or to determine compliance with the permit.

- 5. Any condition or portion of this permit which becomes suspends and ruled in result of any legal or other action shall not invalidate any other action or condition permit.
- 6. The permittee shall not use as a defense in an enforcement action control on that it would have been necessary to halt or reduce the permitted activity in a strain compliance.
- 7. Except as identified as state-origin requirements in this permit and d conditions contained herein shall be enforceable by the United States Environment and Citizens of the United States.
- 8. This permit shall be subject to suspension if the permitted by all emission within 90 days after the date of notice as specified in 40 ction 3(6).
- 9. Nothing in this permit shall alter or affect the hability of the parameter of violation of applicable requirements prior to or at the take of permit assuance.
- 10. This permit shall not convey proper that or experience sive privileges.
- 11. Issuance of this permit does not reve the permit e from the apponsibility of obtaining any other permits, licenses, or appropriate required by any other features and Fournmental Protection of the permit of th
- 12. It is permit suggested the authority of U.S. EPA to obtain information purs. The statute of the suggested of the authority of U.S. EPA to obtain information and purs.
- 13. Nothing in shall alter the authority of U.S. EPA to impose emergency orders put a Statute 4. C 7603, Emergency orders.
- 14. Point Shield: Except the line of the State Regulation 401 KAR 50:035, Permits, compliance of the affected facility of the affected facility of the compliance with all approximately compliance with all approximately compliance of this permit.

TION G - GENE AL CONDITIONS (CONTINUED)

Seneral Covance Requirements (Continued):

Pernit Number: <u>V-99-003</u> Page: <u>60</u> of <u>63</u>

15. The applicability of the following regulations has been investigated and found not to apply to the source for the following reasons:

Regulation		Reasoning
1.	401 KAR 63:022	Emissions belog agnificant leve
2.	401 KAR 59:155	Not a coal pre-ration plan
3.	401 KAR 60:042	Not an industrum enerating unit
4.	401 KAR 60:043	Not an industrial ting unit.

- 16. All emission limitations listed in this permit shall apply at all times except start-up, shutdown, or malfunctions in accordance with Start Regulation 40, general compliance requirements.
- 17. All permits previously issused to this source at as location and pull ap void.
- (b) Permit Expiration and Reapplication Requirements

This permit shall remain in effect for d term of e (5) years t lowing the original date of issue. Permit expiration shall to ate the so e's right to g erate unless a timely and complete renewal application ha en submitt o the Divi h at least six months prior to the expiration date of the perr Upon a tin e submittal, the authorization within the term nditions of cluding any permit shield, shall to ope ffect beyo tion date, t enewal permit is issued or denied by

- (c) Permit I
- 1. A minor procedure to be used for permit revisions involving the use of ecopy to incent, the permit, emission trading, and other similar approaches, to the extent that these procedures are explicitly provided for in the SIP in applicable requirements of Regulation 401 KAR 50:035, Section 15.

TION G - GENE AL CONDITIONS (CONTINUED)

evisions (confued)

Permit Number: <u>V-99-003</u> Page: <u>61</u> of <u>63</u>

2. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and proved that a written agreement containing a specific date for transfer of permit responsibility and liability between the current and new permittee has been subjected to the authority prior to the transfer.

- (d) Construction, Start-Up, and Initial Compliance Certification Buirements
- 1. The permittee shall install, calibrate, maintain, and operate rices v th continuously monitor and record the NO_X and CO concentrations of the gas of the the baghouses, or other approved locations, for E1 and VO_X continuous emission monitor (CEM) for E1 shall be installed and calibrated of the draft permit. The CEMs for NO_X and CO shall be installed upon start-up of E2.
- 2. Construction of process and/or air pollution control experiments because the borized by the conducted and completed only in compliance and of this permitted on the conducted and completed only in compliance.
- 3. Within thirty (30) days following commence ent of const een (15) days following start-up, and attainment of the aximum pr auction 1 ed in the permit owing the application, or within fifteen (15) days f suance date runs permit, whichever is later, the permittee shall furnish t Division f Air Quality' Florence Regional Office in writing, with a copy to the non's Fra ort Central ffice, notification of the following:
 - The date p of the aft anties listed in this permit.

 The date p of the aft anties listed in the permit pplication and.

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SECTION G - GENERAL CONDITIONS (CONTINUED)

Construction, Start-Up, and Initial Compliance Certification Requirements (Continued)

- 4. Pursuant to State Regulation 401 KAR 50:035, Permits, Section 13(1), unless con commenced on or before 18 months after the date of issue of this pa or if c commenced and then stopped for any consecutive period of onths or m cheduled com construction is not completed within eighteen (18) months of the then the construction and operating authority granted by this per t for those af ed facil for which construction was not completed shall immediately ome invali **Extensions** of the time periods specified herein may be granted by the Divi tisfactory request showing that an extension is justified.
- 5. Operation of the affected facilities for which construction is authors commence until compliance with the applicable standar specific has been demonstrated pursuant to 401 KAR 50:055, except as provided in this pe
- This permit shall allow time for the initial start-up, tration 6. compliance lays after ac of the affected facilities listed herein. However eving the ot later than maximum production rate at which the affect ed but acilities 180 days after start-up of such facilitie the permi performance in accorda demonstration (test) on the affected facilit 401 KAR 50:055, e with R General compliance requirements. The perform ce tests m t also be conducted in d)6 of thi permittee must furnish to accordance with General Condition ermit and the the Division for Air Quality's Fra At Central eport of the results of such fice a writte performance test.
- of the poli 7. the Division for Air Quality as Purs to Section VI R 50:016, S (1), at least one month prior to the date by Regula erforman permittee shall complete and return a Compliance Test ion's Frankfort Central Office. Pursuant to 401 KAR Pro DEP 6027 tified of the actual test date at least ten (10) days 50:045. he Divisio prior to the

Permit Number: <u>V-99-003</u> Page: <u>63</u> of <u>63</u>

G - GENERAL CONDITIONS (CONTINUED)

(e) Acid Rain Program Requirements

If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Act) is more stringent than an applicable requirement promulgated preparate to Federal USC 7651 through 7651o (Title IV of the Act), both provision and apply, and be state and federally enforceable.

- (f) Emergency Provisions
- 1. An emergency shall constitute an affirmative defense to an act with the technology-based emission limitations if the permittee designed contemporaneous operating logs or other relevant evider.
 - i) An emergency occurred and the permittee can identify emergency;
 - ii) The permitted facility was at the time
 - During an emergency, the permit a conclusion while steps it minimize levels of emissions that exceeded the requirements in the permit; and
 - The permittee notified the ivision wi n two w vs and submitted iv) written notice of the eme ency to the ivision wit a two working days after ere exceeded the to the emergency. The the time when emiss nitations notice shall meet of 401 KA 50:035, Permits, Section réquireme 7(1)(e), and incl a descript of the eme ency, steps taken to mitigate emissions. And t corrective i is requirement does not relieve other local al notification requirements. the sour
- 2. value on a polition of the containing of the
- 3. In an enterpression of specific proceeding, the seeking to establish the occurrence of an emerger burden of all the seeking to establish the occurrence of an emerger burden of all the seeking to establish the occurrence of an emerger burden of all the seeking to establish the occurrence of an emerger burden of all the seeking to establish the occurrence of an emerger burden of all the seeking to establish the occurrence of an emerger burden of all the seeking to establish the occurrence of an emerger burden of all the seeking to establish the occurrence of an emerger burden of all the seeking to establish the occurrence of an emerger of all the seeking to establish the occurrence of an emerger of all the seeking to establish the occurrence of all the seeking the s

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SECTION G - GENERAL CONDITIONS (CONTINUED)

(g) Risk Management Provisions

The permittee shall comply with all applicable requirements of 40 CFR Par Management Plan provisions. If required, the permittee shall:

- a. Submit a Risk Management Plan to U.S. EPA, F. on IV with a Division and comply with the Risk Management Program by June 21 19 or a state specified by the U.S. EPA.
- b. Submit additional relevant information if requel Division or the U.S. EPA.
- (h) Ozone Depleting Substances
- 1. The permittee shall comply with the standards for recycling and emissions report to 40 CFR 82, Subpart F, except as provided for Motor Air Condition (ACs) in Subpart B:

 - b. Equipment used dy the main hance, service, repair, or disposal of appliances shall way with the standards of recycling and recovery equipment contains in 40 CFF 158.
 - c. Persons to the highest part of the part
 - sons dispos. Sappliances, MVACs, and MVAC-like appliances 2.152) shall comply with the record keeping 40 CFR 82.166.
 - e. Per commercial or industrial process refrigeration equipment shall compared to 40 CFR 82.156.

YON G - C NERAL CONDITIONS (CONTINUED)

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Ozone Depleting Substances (Continued)

f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and adde to such appliances pursuant to 40 CFR 82.166.

2. If the permittee performs service on motor (fleet) vehicle a multioners ozone-depleting substances, the source shall comply with all plicable requirems specified in 40 CFR 82, Subpart_B,_Servicing of Motor Vehicle Air Conditioners.

